



To: Zero Waste Advisory Commission

From: Ken Snipes, Director
Austin Resource Recovery

Date: May 15, 2020

Subject: Director’s Monthly Report to the Zero Waste Advisory Commission

Dumpsters in the Central Business District

Austin Resource Recovery has received requests from businesses located in the Central Business District (CBD) requesting some relief of their monthly garbage fees related to the statewide business closures.

In late March, an audit of trash volume was performed in the CBD and found that a majority of the containers within the CBD were empty. By removing containers in the CBD, ARR would be able to reduce CBD customer volume charge which will help customers in that area save money during this crisis; ARR would pay less to the vendor, with a near break-even fiscal impact.

ARR Fleet Purchases FY 20

Under the current Fleet Master Agreement, ARR is scheduled to purchase the following types of equipment for FY 20. ARR is replacing 47 units and adding 13 additional pieces of equipment, including multi-packs for the final phase of the Curbside Compost program expansion.

Litter Abatement			
Number of Units	Type	Area	Fuel
6	Multi-packs	Curbside Compost	Bio-Diesel
2	Street Sweepers	Street Sweeping	Bio-Diesel
1	Street Sweeper	Litter Control	Bio-Diesel
1	Bike Lane Sweeper	Street Sweeping	Bio-Diesel
4	25-Yard Rear Loaders	Yard Trimmings	Bio-Diesel
1	25-Yard Rear Loader	Brush Collection	Bio-Diesel
1	25-Yard Rear Loader	Bulk Collection	Bio-Diesel
1	Crane with 30-Yard Box	Bulk Collection	Bio-Diesel
1	Crane with 30-Yard Box	Brush Collection	Bio-Diesel
1	Crew Cab Stake Bed	Litter Control	Flex Fuel/E85
1	Box Truck with Dump Bed	Dead Animal Collection	Bio-Diesel

3	Supervisor Pickups	Yard Trimnings/Curbside Compost	CNG
1	Supervisor Pickup	Bulk Collection	Flex Fuel/E85
1	Supervisor Pickup	Street Sweeping	Flex Fuel/E85

Collections			
Number of Units	Type	Area	Fuel
10	Automated Side Loaders	Garbage	Bio-Diesel
8	Automated Side Loaders	Recycle	Bio-Diesel
1	25-Year Rear Loaders	Garbage	Bio-Diesel
2	13-Yard Rear Loaders	Garbage	Bio-Diesel
1	13-Yard Rear Loader	Recycle	Bio-Diesel
1	Supervisor Pickup	Garbage	Flex Fuel/E85
4	Supervisor Pickup	Recycle	Flex Fuel/E85

Diversion Facilities			
Number of Units	Type	Area	Fuel
1	11-Yard Dump Truck	Landfill Closure	Bio-Diesel
1	Forklift	Resource Recovery Center	Propane
1	Tractor	Training	Bio-Diesel

Administration			
Number of Units	Type	Area	Fuel
1	Supervisor Pickup	Safety	Flex Fuel/E85
1	Small Pickup	Admin Management	Bio-Diesel
1	Compact Car	Admin Management	Electric
2	Compact Cars	Business Outreach	Electric

Total Units: 60

ReVerse Pitch

The 5th annual ReVerse Pitch competition went virtual this year. Four finalists pitched business ideas that use one or more of the by-product, surplus or otherwise underutilized materials streams that were pitched in February. Over 250 attendees attended the online final pitch event on April 27. The two top pitches were awarded \$10,000 Innovation Prizes to start their companies:

1. Recyclable Planters by Lofi Recycling Systems

This concept will create plastic planters made out of PVC from Gold Rush Vinyl, a local record shop. In the first year, they anticipate diverting 2.7 tons of PVC from Austin landfills and preventing 5.32 GHG emissions. The company aspires to implement a take-back program for their planters, as well.

2. Collapsible Helmets by Terra Helmets

This concept will create collapsible helmets out of 3 different scrap materials: PVC sandals from the Travis County jail, PVC from Gold Rush Vinyl and fabric samples from the International Interior Designers Association Austin group. They aim to have both an environmental and safety impact by making these helmets shareable and linking up with electric scooter companies to include these as part of rentals. They anticipate diverting 10,000 pounds of PVC from sandals, 8,000 pounds of PVC from vinyl records, and 8,000 pounds of fabric samples. Terra Helmets also won the “People’s Choice Award,” voted on by audience participants.

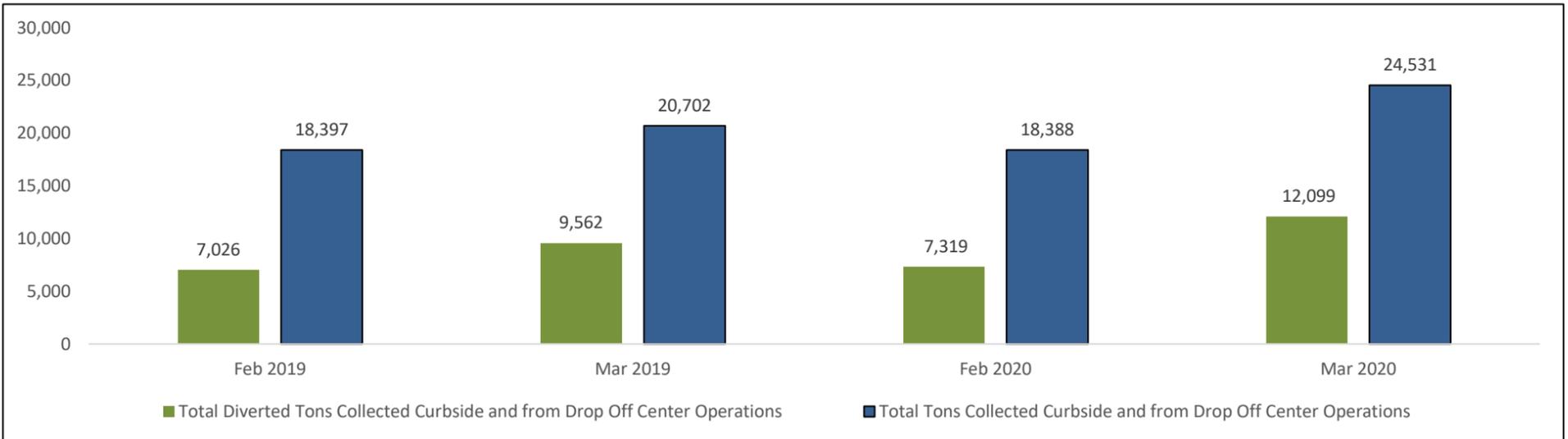
Austin Recycles App

On April 1, 2020, ARR launched the [Austin Recycles App](#) available on the Apple App Store and Google Play. The app allows customers to receive reminders about their regular trash, recycling, compost and other curbside collections, as well as alerts about collection delays or service interruptions. The Austin Recycles App also allows customers to search for items they are unsure of what to do with and learn how to dispose of them properly and play a waste sorting game.

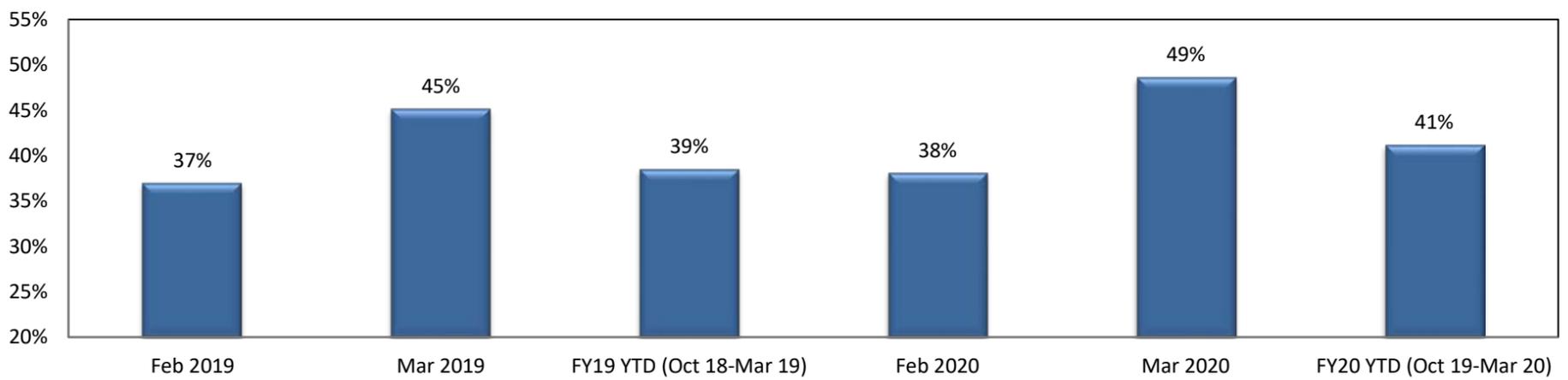
Austin Resource Recovery Curbside Collection and Drop Off Center Operations

Description of Services	LAST FISCAL YEAR					CURRENT FISCAL YEAR			FY 2020 Goal	
	FY 2018	FY 2019	Feb 2019	Mar 2019	FY19 YTD (Oct 18-Mar 19)	Feb 2020	Mar 2020	FY20 YTD (Oct 19-Mar 20)		
Tons Disposed	Tons of curbside Trash	128,829	130,307	9,656	10,157	64,570	9,444	11,426	63,723	132,546
	Tons of Curbside Bulk Disposed	10,231	11,040	861	96	4,280	810	68	4,118	10,248
	HHW Operations Tons Disposed	528	517	43	47	234	43	29	229	560
	Estimated Tons of Curbside Recycling Residuals*	10,642	11,761	811	840	5,825	771	909	5,286	10,670
	Total Disposed Tons Collected Curbside and from Drop Off Center Operations	150,230	153,625	11,371	11,141	74,908	11,069	12,432	73,356	154,024
*Estimated tons of curbside recycling processed by vendors as residual - based on bi-annual sample route audit										
Tons Diverted	Tons of curbside recycling	48,005	47,528	3,542	3,653	24,312	3,557	4,200	24,377	50,250
	RRC Tons Recycled/Reused	1,986	2,259	162	162	1,107	198	138	1,074	2,600
	RRC Tons of Brush Collected	1,505	2,595	185	226	1,195	301	199	1,583	2,500
	HHW Operations Tons recycled/reused	469	477	30	40	216	40	25	196	560
	Tons of Drop Off Center Collections Recycled/Reused	3,759	5,073	369	425	2,407	528	360	2,758	5,450
	Tons of Curbside Yard Trimmings	32,244	37,265	2,537	5,163	19,632	2,682	7,155	24,134	37,500
	Tons of Curbside Bulk Recycled	201	257	8	3	111	11	2	94	210
	Tons of Curbside Brush Collected	6,292	6,447	561	285	2,630	526	382	2,507	7,373
	Tons of Curbside Textiles Collected	150	77	10	8	55	0	0	0	157
	Tons of Carts Recycled	154	166	0	25	81	16	0	99	175
	Total Diverted Tons Collected Curbside and from Drop Off Center Operations	90,805	96,813	7,026	9,562	49,228	7,319	12,099	53,969	101,115
Tons of Curbside Compost Collected**	14,414	22,040	1,508	2,671	11,450	1,612	5,377	19,050	31,300	
**"Tons of Curbside Compost Collected" is included in the "Tons of Yard Trimmings Collected"										
Total Tons Collected Curbside and from Drop Off Center Operations	241,035	250,438	18,397	20,702	124,136	18,388	24,531	127,325	255,139	
Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR	36.77%	37.47%	37.02%	45.16%	38.54%	38.12%	48.63%	41.19%	38.05%	
Pounds of Trash collected per customer per pickup	24.84	24.78	22.11	23.25	24.68	21.28	25.69	23.96	24.92	
Number of Trash and Recycling Customers	199,448	202,292	201,608	201,630	201,260	204,874	205,308	204,565	204,549	
Pounds of Recycled materials collected per customer per pickup (every other week)	18.62	18.17	16.31	16.82	18.68	16.12	19.00	18.44	18.99	
Pounds of Yard Trimmings collected per customer per week	6.25	7.12	5.84	11.89	7.54	6.08	16.18	9.13	7.09	
Number of Yard Trimmings/Organics Customers	198,325	201,174	200,497	200,459	200,176	203,676	204,108	203,410	203,508	
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter	36	30	2	2	16	2	3	17	32	

Austin Resource Recovery Curbside Collection and Drop Off Center Operations



Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR

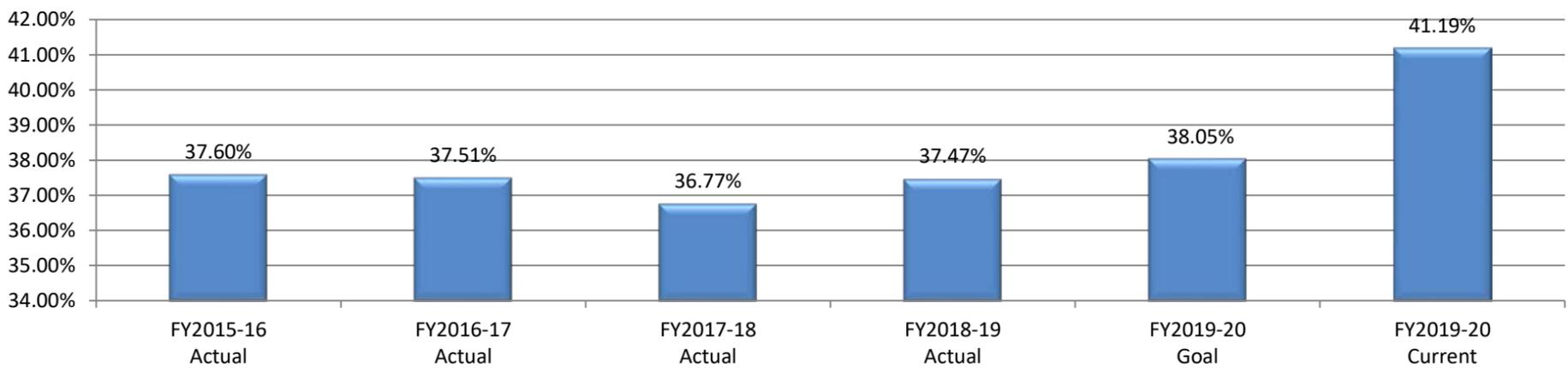


Reporting Status and Diversion Results for All Categories of Waste Generation

Category of Waste Generation	FY2015-16 Actual	FY2016-17 Actual	FY2017-18 Actual	FY2018-19 Actual	FY2019-20 Goal	FY2019-20 Current
Residential Waste Diversion (city serviced accounts)	37.60%	37.51%	36.77%	37.47%	38.05%	41.19%
Community Diversion Rate	42.02%	*	*	*	*	*

*As prescribed in the Austin Resource Recovery Master Plan, the Department will conduct a detailed waste assessment study every five years to determine progress toward our Zero Waste goal. The first such study was published in 2015 and is titled Austin's 2015 Community Diversion Study. The study focused on estimating diversion from both ARR-serviced properties and commercial properties. Commercial properties include retail businesses, food service establishments, professional offices, industrial properties, institutional facilities, government facilities, and multifamily properties five units and larger. According to Austin's 2015 Community Diversion Study, Residential Waste Diversion Rate (city serviced accounts) represents approximately 15% and the Community Diversion Rate (accounts serviced by private waste haulers) represents approximately 85% of the total citywide wastage.

Residential Waste Diversion (city serviced accounts)



Category of Waste Generation	CY 2016	CY 2017	CY 2018
Commercial Tons Landfilled**	1,152,661	1,708,484	1,079,312
Commercial Tons Recycled**	360,244	722,573	402,292
Commercial Organics Tons**	206,165	97,173	80,906

** Numbers reported here are compiled from self-reported data submitted by licensed private waste haulers via semi-annual tonnage reports required under Section 15-6-3 of the City Code on a calendar year basis and as such, ARR does not attest to the accuracy of these amounts. These numbers reflect data from 100-200 licensed haulers (number of haulers varies over time), and include haulers servicing dumpsters, roll-offs, construction and demolition debris, landscaping debris, and metal scrap. These numbers do not reflect all data sources included in Austin's 2015 Community Diversion Study.



ARR Solicitations Update
As of April 22, 2020
ZWAC Meeting May 13, 2020

Upcoming Solicitations Under Development (in alphabetical order):

1. Post-Disaster Debris Removal Services: RFP – Contractor to provide emergency debris removal services in accordance with Federal Emergency Management Administration (FEMA) guidelines. No existing contract.
2. Post-Disaster Debris Monitoring Services: RFP – Contractor to provide emergency field debris monitoring services to include management and accounting services for monitoring the recovery efforts of the City's Post Disaster Debris Removal Contractor. No existing contract.

Solicitations Expected to be Posted Within the Next 90 Days:

1. Daily Drop-Off of Material Collected Through Dumpster or Roll-Off Service: IFB – Contractor to receive daily collections of bulk materials from the City at their disposal facility or landfill. No existing contract.
2. Recycling Processing for Non-Curbside Collections: IFB – Contractor to provide single-stream recyclable material processing and marketing services to sort, process, store, market, and sell single-stream recyclable material. The Contractor shall be responsible for picking up the recyclable material collected at the Recycle and Reuse Drop-off Center and receiving the recyclable material collected by ARR from City facilities. This is replacing two contracts: [In-House Recycling](#) and [RRDOC Recycling](#).
3. Truck Scale Inspection, Maintenance, and Repair Services: IFB – Contractor to complete quarterly full-service, diagnostics, inspections, preventative maintenance, servicing, authorized part replacements, and repairs of truck and floor scales located at City facilities. [Link to current contract](#)

Published Solicitations:

1. Mattress Collection and Recycling Services: – [RFI 1500 SLW6011](#) (second RFI) – This posted on April 7, 2020 and closes on April 28, 2020. This RFI includes the SOW that was solicited on the RFP below and questions for potential bidders and stakeholders on how to improve the SOW. This is a new service needed as mattresses are currently collected through bulky collection and landfilled. [RFP 1500 SLW3005](#) – this solicitation was issued on January 6, 2020 and closed on March 3, 2020. There were no responses. [RFI 1500 SLW6000](#) (first RFI) was issued in July 2018, asking stakeholders and potential bidders questions relating to these services. No existing contract.

Solicitations in Evaluation or Negotiation: (None)

1. Purchase of Foam Densifier: [IFB 1500 SLW1041](#) – Contractor to provide new foam densifier to include delivery, installation, training, and warranty. Solicitation posted March 2, 2020 and closed April 7, 2020. No existing contract.
2. Routine Non-Residential (City facilities) Dumpster Collection Services: [IFB 7400 SLW1035](#) – Contractor to collect trash, recycling, brush, bulk, and compostable Materials from City of Austin facilities. Scope may also include special event and emergency service needs at City facilities on an as-needed basis. [RFI 1500 SLW6005](#) was issued in July 2019 related to these services. Solicitation posted March 9, 2020 and closed April 7, 2020. [Link to current contract](#)

Definitions:

CCO (Capital Contracting Office): Administers the procurement of professional and construction services.

CO-OP (Cooperative Contract): A contract that has been competitively bid and issued by another government or purchasing alliance with the intention of sharing it with other governmental entities.

IFB (Invitation for Bid): Formal bidding documents inviting suppliers to submit pricing for goods or services.

RFI (Request for Information): Used to obtain industry input, feedback, or reactions from potential suppliers prior to issuing a solicitation.

RFQ (Request for Quotation): Informal request to suppliers to provide quotes on specific goods or services.

RFQS (Request for Qualifications): Formal solicitation used when qualifications are the main criteria for professional services.

RFP (Request for Proposals): Formal request for a supplier to provide a solution and cost estimate to a complex need.